



## SEQUENCE LISTING

<110> FRENCH, Cynthia K.

YAMAMOTO, Karen K.

EL SHAMI, A. Said

<120> Prostate Cancer-Specific Marker

<130> 107-206-C-D

<140> to be assigned

<141> 2003-08-26

<150> 60/041,246

<151> 1997-03-07

<150> 60/047,811

<151> 1997-05-15

<150> 09/036,315

<151> 1998-03-06

<150> 09/535,597

<151> 2000-03-27

<150> 09/680,121

<151> 2000-10-04

<160> 27

<170> PatentIn Ver. 2.1

<210> 1

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<212> DNA

<213> Homo sapiens

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<221> CDS

<222> (151)..(1425)

<220>

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01 Sequence Listing for 107-206-C-D.txt

cgttccgaaa gccggcgctt gagatccagg caagtgaatc cagccaggca gttttccctt 120  
 cagcacctcg gacagaacac gcagtaaaaa atg gct ccg atc acc acc agc cg 174  
 Met Ala Pro Ile Thr Thr Ser Arg  
 1 5

gaa gaa ttt gat gaa atc ccc aca gtg gtg ggg atc ttc agt gca ttt 222  
 Glu Glu Phe Asp Glu Ile Pro Thr Val Val Gly Ile Phe Ser Ala Phe  
 10 15 20

ggc ctg gtc ttc aca gtc tct ctc ttt gca tgg atc tgc tgt cag aga 270  
 Gly Leu Val Phe Thr Val Ser Leu Phe Ala Trp Ile Cys Cys Gln Arg  
 25 30 35 40

aaa tca tcc aag tct aac aag act cct cca tac aag ttt gtg cat gtg 318  
 Lys Ser Ser Lys Ser Asn Lys Thr Pro Pro Tyr Lys Phe Val His Val  
 45 50 55

ctt aag gga gtt gat att tac cct gaa aac cta aat agc aaa aag aag 366  
 Leu Lys Gly Val Asp Ile Tyr Pro Glu Asn Leu Asn Ser Lys Lys Lys  
 60 65 70

D7  
 ttt gga gca gat gat aaa aat gaa gta aag aat aag cca gct gtg cca 414  
 Phe Gly Ala Asp Asp Lys Asn Glu Val Lys Asn Lys Pro Ala Val Pro  
 75 80 85

w  
 aag aat tca ttg cat ctg gat ctt gaa aag aga gat ctc aat ggc aat 462  
 Lys Asn Ser Leu His Leu Asp Leu Glu Lys Arg Asp Leu Asn Gly Asn  
 90 95 100

ttt ccc aaa acc aac ctc aaa cct ggc agt cct tct gat ctg gag aat 510  
 Phe Pro Lys Thr Asn Leu Lys Pro Gly Ser Pro Ser Asp Leu Glu Asn  
 105 110 115 120

gca acc ccg aag ctc ttt tta gaa ggg gaa aaa gag tca gtt tcc cct 558  
 Ala Thr Pro Lys Leu Phe Leu Glu Gly Glu Lys Glu Ser Val Ser Pro  
 125 130 135

gag agt tta aag tcc agc act tcc ctt act tca gaa gag aaa caa gag 606  
 Glu Ser Leu Lys Ser Ser Thr Ser Leu Thr Ser Glu Glu Lys Gln Glu  
 140 145 150

aag ctg gga act ctc ttc tcc tcc tta gaa tac aac ttc gag aga aaa 654  
 Lys Leu Gly Thr Leu Phe Phe Ser Leu Glu Tyr Asn Phe Glu Arg Lys  
 155 160 165

## 01 Sequence Listing for 107-206-C-D.txt

gca ttt gtg gtc aat atc aag gaa gcc cgt ggc ttg cca gcc atg gat 702  
 Ala Phe Val Val Asn Ile Lys Glu Ala Arg Gly Leu Pro Ala Met Asp  
 170 175 180

gag cag tcg atg acc tct gac cca tat atc aaa atg acg atc ctc cca 750  
 Glu Gln Ser Met Thr Ser Asp Pro Tyr Ile Lys Met Thr Ile Leu Pro  
 185 190 195 200

gag aag aag cat aaa gtg aaa act aga gtg ctg aga aaa acc ttg gat 798  
 Glu Lys Lys His Lys Val Lys Thr Arg Val Leu Arg Lys Thr Leu Asp  
 205 210 215

cca gct ttt gat gag acc ttt aca ttc tat ggg ata ccc tac acc caa 846  
 Pro Ala Phe Asp Glu Thr Phe Thr Phe Tyr Gly Ile Pro Tyr Thr Gln  
 220 225 230

atc caa gaa ttg gcc ttg cac ttc aca att ttg agt ttt gac agg ttt 894  
 Ile Gln Glu Leu Ala Leu His Phe Thr Ile Leu Ser Phe Asp Arg Phe  
 235 240 245

tca aga gat gat atc att ggg gaa gtt cta att cct ctc tcg gga att 942  
 Ser Arg Asp Asp Ile Ile Gly Glu Val Leu Ile Pro Leu Ser Gly Ile  
 250 255 260

D7  
 gaa tta tct gaa gga aaa atg tta atg aat aga gag atc atc aag aga 990  
 Glu Leu Ser Glu Gly Lys Met Leu Met Asn Arg Glu Ile Ile Lys Arg  
 265 270 275 280

aat gtt agg aag tct tca gga cgg ggt gag tta ctg atc tct ctc tgc 1038  
 Asn Val Arg Lys Ser Ser Gly Arg Gly Glu Leu Leu Ile Ser Leu Cys  
 285 290 295

tat cag tcc acc aca aac act cta act gtg gtt gtc tta aaa gct cga 1086  
 Tyr Gln Ser Thr Asn Thr Leu Thr Val Val Val Leu Lys Ala Arg  
 300 305 310

cat ctg cct aaa tct gat gtg tcc gga ctt tca gat ccc tat gtc aaa 1134  
 His Leu Pro Lys Ser Asp Val Ser Gly Leu Ser Asp Pro Tyr Val Lys  
 315 320 325

gtg aac ctg tac cat gcc aaa aag aga atc tcc aag aag aag act cat 1182  
 Val Asn Leu Tyr His Ala Lys Lys Arg Ile Ser Lys Lys Thr His  
 330 335 340

gtg aag aaa tgc acc ccc aat gca gtg ttc aat gag ctg ttt gtc ttt 1230  
 Val Lys Lys Cys Thr Pro Asn Ala Val Phe Asn Glu Leu Phe Val Phe  
 345 350 355 360

01 Sequence Listing for 107-206-C-D.txt

gat att cct tgt gag ggc ctt gaa gat ata agt gtt gaa ttt ttg gtt 1278  
Asp Ile Pro Cys Glu Gly Leu Glu Asp Ile Ser Val Glu Phe Leu Val  
365 370 375

ttg gat tct gaa agg ggg tcc cga aat gag gta atc ggg cag tta gtc 1326  
Leu Asp Ser Glu Arg Gly Ser Arg Asn Glu Val Ile Gly Gln Leu Val  
380 385 390

ttg ggt gca gca gca gaa gga act ggt gga gag cac tgg aaa gag atc 1374  
Leu Gly Ala Ala Ala Glu Gly Thr Gly Gly Glu His Trp Lys Glu Ile  
395 400 405

tgt gac tac ccc agg aga caa att gcc aag tgg cac gtg ctc tgt gat 1422  
Cys Asp Tyr Pro Arg Arg Gln Ile Ala Lys Trp His Val Leu Cys Asp  
410 415 420

ggt tagcatccta gccgtgagtt ggaacttaaa ggttttact aggcaaggag 1475  
Gly  
425

aaattttctt tctttctata ttggattgca agcttggaa atcaagctac cttttgtt 1535

ttgttgtt tgctagaaat ggattgaatt agtagaccag aaagtaactt caaatgtgta 1595

ttatgataat ttccctattt attagaagag ttggataaaat tttcataaga tattcaatat 1655

ctccttcaga ttaccagtga tataactagg aatagtcaga cattttatga atactgtgcc 1715

agaatcccaa attataaatg tgacaatctc attggaacat gtcacaaaaa gttaatgtga 1775

ttaagattta aaaacgaaaa gtagccttg cttgtgaaa atttatccat ttatcttcag 1835

gttggggaa atcaattttt cttaatcca aagatactaa aaaaatgtcc tccagttgt 1895

atttataat tctgtcatgt gcaaattgggtt gtcctgcata taaaagtata tggcatttc 1955

agtttggttt gtaattttt gatgcaattt tatcataaga gtaactcaga ttcattcaa 2015

aaggacagtg aacaagctga gaaattttt tatcaaaggg ctgagttgag aacactgtgg 2075

ctgaaatata attttctcc cccctaaggt tacatgtgag tcaaaatttt gtaaaatata 2135

acctcacata agaaccatgg cttggatta ttcactgcct gtcacaagcc tcagtgtggc 2195

ctgagaaatc cctatgtacc tttgtaaaat tggtaat gttgtgaat aaagaaataa 2255

acttcaacta gaaatccagt tagaagtgc a atttcttat agaaaatagg tatagtgtgc 2315  
aagtgtactt ttaaggccat cgtttgcacc cagagtcggc atggccaccc aagtcttcat 2375  
ttaatttattt gtcccccaga aaagattaag atgctacttg aaaagactgt gaagattttt 2435  
tacattgcca gataaaaagt gttacttaac caacaaacaa atgtaagact acaaaaatcgt 2495  
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ttcattcaga acctgttaga ttaaagctgc accctgtgat tatttgaaaa gaattagctt 2735  
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gaattattaa atatgcaagt tagaaattaa gtctactgaa aaatttacat tttgagtcag 2855  
gttttgtgtc agtactttag cagttttga gaatgtgtt gatatcacag tgttgtaaa 2915  
ttctatgaaa aatgcatttt ccaaacaact tatacatgct ttttatgact atgcctaattg 2975  
taaagaaaaat gtattacatt ctgtatgtac aaagattaaa aatcaacctc tttttgtgc 3035  
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aaagtcacct cacagcatct tgctccactc ggcacatctcg tgaaagcaac atgaaatgaa 3155  
ctgttaggat tgttagttt gggaaagtca aatggccatt ttatgtatgt gcatttggta 3215  
tcatggcccg tgaaacagaa tatatgttg acctctgaaa agttgttaagg ggccaaatct 3275  
aagtattctt cacggcagcc agaagttat ggtggtagca gctgaggtat ggttggta 3335  
cgaggccgat tttttttttt taacatggaa caatgaaacc aacaacaaac attttaaaa 3395  
ttaaatgga taatttgtaa atagttttt a gctttttttt tttaaagtgt tttttagtgc 3455  
gaaaagttga gtaaaactat ttgcaactgg ttttcagaaa agagaaaaga aacaacaaag 3515  
gaattgaaac aggccaggag atcttaatac ctaatttcat catttctgca aatgtactg 3575  
ttttagaatg tattacaata tcaatgtgaa tatcttgaat cctgttacaa atcctgcact 3635  
gtattaaaca tgtaaattaa ttgtttgtct gattagccaa tctcaccacc caaatgggaa 3695

ggtatacatg tttgaagaac gtgttaactcg gtaattgatt tgttctgatg ttgttaactca 3755  
 atagaagtgt tttggaagga agcatggtgt gtgagacagt gtctgttctt ttgtgccagc 3815  
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 aaaaaaaaaaaa aaaaaaa 3891

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 <212> PRT  
 <213> Homo sapiens  
 <223> product = Repro-PC-1.0

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Val Val Gly Ile Phe Ser Ala Phe Gly Leu Val Phe Thr Val Ser Leu  
 20 25 30

D7 Phe Ala Trp Ile Cys Cys Gln Arg Lys Ser Ser Lys Ser Asn Lys Thr  
 35 40 45

Pro Pro Tyr Lys Phe Val His Val Leu Lys Gly Val Asp Ile Tyr Pro  
 50 55 60

Glu Asn Leu Asn Ser Lys Lys Phe Gly Ala Asp Asp Lys Asn Glu  
 65 70 75 80

Val Lys Asn Lys Pro Ala Val Pro Lys Asn Ser Leu His Leu Asp Leu  
 85 90 95

Glu Lys Arg Asp Leu Asn Gly Asn Phe Pro Lys Thr Asn Leu Lys Pro  
 100 105 110

Gly Ser Pro Ser Asp Leu Glu Asn Ala Thr Pro Lys Leu Phe Leu Glu  
 115 120 125

Gly Glu Lys Glu Ser Val Ser Pro Glu Ser Leu Lys Ser Ser Thr Ser  
 130 135 140

Leu Thr Ser Glu Glu Lys Gln Glu Lys Leu Gly Thr Leu Phe Phe Ser  
 145 150 155 160

01 Sequence Listing for 107-206-C-D.txt

Leu Glu Tyr Asn Phe Glu Arg Lys Ala Phe Val Val Asn Ile Lys Glu  
165 170 175

Ala Arg Gly Leu Pro Ala Met Asp Glu Gln Ser Met Thr Ser Asp Pro  
180 185 190

Tyr Ile Lys Met Thr Ile Leu Pro Glu Lys Lys His Lys Val Lys Thr  
195 200 205

Arg Val Leu Arg Lys Thr Leu Asp Pro Ala Phe Asp Glu Thr Phe Thr  
210 215 220

Phe Tyr Gly Ile Pro Tyr Thr Gln Ile Gln Glu Leu Ala Leu His Phe  
225 230 235 240

Thr Ile Leu Ser Phe Asp Arg Phe Ser Arg Asp Asp Ile Ile Gly Glu  
245 250 255

Val Leu Ile Pro Leu Ser Gly Ile Glu Leu Ser Glu Gly Lys Met Leu  
260 265 270

Met Asn Arg Glu Ile Ile Lys Arg Asn Val Arg Lys Ser Ser Gly Arg  
275 280 285

D7

Gly Glu Leu Leu Ile Ser Leu Cys Tyr Gln Ser Thr Thr Asn Thr Leu  
290 295 300

W

Thr Val Val Val Leu Lys Ala Arg His Leu Pro Lys Ser Asp Val Ser  
305 310 315 320

Gly Leu Ser Asp Pro Tyr Val Lys Val Asn Leu Tyr His Ala Lys Lys  
325 330 335

Arg Ile Ser Lys Lys Thr His Val Lys Lys Cys Thr Pro Asn Ala  
340 345 350

Val Phe Asn Glu Leu Phe Val Phe Asp Ile Pro Cys Glu Gly Leu Glu  
355 360 365

Asp Ile Ser Val Glu Phe Leu Val Leu Asp Ser Glu Arg Gly Ser Arg  
370 375 380

Asn Glu Val Ile Gly Gln Leu Val Leu Gly Ala Ala Ala Glu Gly Thr  
385 390 395 400

Gly Gly Glu His Trp Lys Glu Ile Cys Asp Tyr Pro Arg Arg Gln Ile  
405 410 415

01 Sequence Listing for 107-206-C-D.txt

Ala Lys Trp His Val Leu Cys Asp Gly  
420 425

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<212> DNA  
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<223> 5' oligo (109) Upper Primer

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21

D7  
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<211> 30  
<212> DNA  
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✓  
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<221> misc\_feature  
<222> (1)..(30)  
<223> 3' oligo (3489) Lower Primer

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30

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<212> PRT  
<213> rat

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1 5 10 15

Val Val Gly Ile Phe Ser Ala Phe Gly Leu Val Phe Thr Val Ser Leu

01 Sequence Listing for 107-206-C-D.txt

20                    25                    30

Phe Ala Trp Ile Cys Cys Gln Arg Arg Ser Ala Lys Ser Asn Lys Thr  
35                    40                    45

Pro Pro Tyr Lys Phe Val His Val Leu Lys Gly Val Asp Ile Tyr Pro  
50                    55                    60

Glu Asn Leu Ser Ser Lys Lys Phe Gly Gly Asp Asp Lys Ser Glu  
65                    70                    75                    80

Ala Lys Arg Lys Ala Ala Leu Pro Asn Leu Ser Leu His Leu Asp Leu  
85                    90                    95

Glu Lys Arg Asp Leu Asn Gly Asn Phe Pro Lys Thr Asn Pro Lys Ala  
100                  105                  110

Gly Ser Ser Ser Asp Leu Glu Asn Val Thr Pro Lys Leu Phe Pro Glu  
115                  120                  125

Thr Glu Lys Glu Ala Val Ser Pro Glu Ser Leu Lys Ser Ser Thr Ser  
130                  135                  140

D7

Leu Thr Ser Glu Glu Lys Gln Glu Lys Leu Gly Thr Leu Phe Leu Ser  
145                  150                  155                  160

Leu Glu Tyr Asn Phe Glu Lys Lys Ala Phe Val Val Asn Ile Lys Glu  
165                  170                  175

Ala Gln Gly Leu Pro Ala Met Asp Glu Gln Ser Met Thr Ser Asp Pro  
180                  185                  190

Tyr Ile Lys Met Thr Ile Leu Pro Glu Lys Lys His Lys Val Lys Thr  
195                  200                  205

Arg Val Leu Arg Lys Thr Leu Asp Pro Val Phe Asp Glu Thr Phe Thr  
210                  215                  220

Phe Tyr Gly Val Pro Tyr Pro His Ile Gln Glu Leu Ser Leu His Phe  
225                  230                  235                  240

Thr Val Leu Ser Phe Asp Arg Phe Ser Arg Asp Asp Val Ile Gly Glu  
245                  250                  255

Val Leu Val Pro Leu Ser Gly Ile Glu Leu Ser Asp Gly Lys Met Leu  
260                  265                  270

Met	Thr	Arg	Glu	Ile	Ile	Lys	Arg	Asn	Ala	Lys	Lys	Ser	Ser	Gly	Arg
275							280							285	
Gly	Glu	Leu	Leu	Val	Ser	Leu	Cys	Tyr	Gln	Ser	Thr	Thr	Asn	Thr	Leu
290						295						300			
Thr	Val	Val	Val	Leu	Lys	Ala	Arg	His	Leu	Pro	Lys	Ser	Asp	Val	Ser
305						310				315					320
Gly	Leu	Ser	Asp	Pro	Tyr	Val	Lys	Val	Asn	Leu	Tyr	His	Ala	Lys	Lys
325									330					335	
Arg	Ile	Ser	Lys	Lys	Lys	Thr	His	Val	Lys	Lys	Cys	Thr	Pro	Asn	Ala
340								345						350	
Val	Phe	Asn	Glu	Leu	Phe	Val	Phe	Asp	Ile	Pro	Cys	Glu	Ser	Leu	Glu
355							360						365		
Glu	Ile	Ser	Val	Glu	Phe	Leu	Val	Leu	Asp	Ser	Glu	Arg	Gly	Ser	Arg
370						375						380			
Asn	Glu	Val	Ile	Gly	Arg	Leu	Val	Leu	Gly	Ala	Thr	Ala	Glu	Gly	Ser
385						390						395			400
Gly	Gly	Gly	His	Trp	Lys	Glu	Ile	Cys	Asp	Phe	Pro	Arg	Arg	Gln	Ile
405									410					415	
Ala	Lys	Trp	His	Met	Leu	Cys	Asp	Gly							
420									425						

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<212> PRT  
<213> Homo sapiens

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<222> (1)..(117)
<223> PKC-C2 internal repeat (amino acid positions
      154-271)
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Glu Asn Val Pro Ser Leu Cys Gly Cys Asp His Thr Glu Arg Arg Gly
1           5           10          15

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Arg Ile Tyr Leu Glu Ile Asn Val Lys Glu Asn Leu Leu Thr Val Gln

01 Sequence Listing for 107-206-C-D.txt

20

25

30

Ile Lys Glu Gly Arg Asn Leu Ile Pro Met Asp Pro Asn Gly Leu Ser  
35 40 45

Asp Pro Tyr Val Lys Val Lys Leu Ile Pro Asp Asp Lys Asp Gln Ser  
50 55 60

Lys Lys Lys Thr Arg Thr Thr Lys Ala Cys Leu Asn Pro Val Trp Asn  
65 70 75 80

Glu Thr Leu Thr Tyr Asp Leu Lys Pro Glu Asp Lys Asp Arg Arg Ile  
85 90 95

Leu Ile Glu Val Trp Asp Trp Asp Arg Thr Ser Arg Asn Asp Phe Met  
100 105 110

Gly Ala Leu Ser Phe  
115

D7 <210> 7

<211> 121

<212> PRT

<213> Homo sapiens

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<222> (1)..(121)

<223> Repro-PC-1.0 (PC-20) "B" internal repeat (amino acid) positions 276-397

<400> 7

Glu Ile Ile Lys Arg Asn Val Arg Lys Ser Ser Gly Arg Gly Glu Leu  
1 5 10 15

Leu Ile Ser Leu Cys Tyr Gln Ser Thr Ile Asn Thr Leu Thr Val Val  
20 25 30

Val Leu Lys Ala Arg His Leu Pro Lys Ser Asp Val Ser Gly Leu Ser  
35 40 45

Asp Pro Tyr Val Lys Val Asn Leu Tyr His Ala Lys Lys Arg Ile Ser  
50 55 60

Lys Lys Lys Thr His Val Lys Lys Cys Thr Pro Asn Ala Val Phe Asn  
65 70 75 80

Glu Leu Phe Val Phe Asp Ile Pro Cys Glu Gly Leu Glu Asp Ile Ser  
85 90 95

Val Glu Phe Leu Val Leu Asp Ser Glu Arg Gly Ser Arg Asn Glu Val  
100 105 110

Ile Gly Gln Leu Val Leu Gly Ala Ala  
115 120

<210> 8

<211> 115

<212> PRT

<213> rat

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<222> (1)..(115)

<223> synaptotagmin "B" internal repeat (amino acid  
positions 268-383)

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Lys Glu Glu Gln Glu Lys Leu Gly Asp Ile Cys Phe Ser Leu Arg Tyr  
1 5 10 15

Val Pro Thr Ala Gly Lys Leu Thr Val Val Ile Leu Glu Ala Lys Asn  
20 25 30

Leu Lys Lys Met Asp Val Gly Gly Leu Ser Asp Pro Tyr Val Lys Ile  
35 40 45

His Leu Met Gln Asn Gly Lys Arg Leu Lys Lys Lys Thr Thr Ile  
50 55 60

Lys Lys Asn Thr Leu Asn Pro Tyr Tyr Asn Glu Ser Phe Ser Phe Glu  
65 70 75 80

Val Pro Phe Glu Gln Ile Gln Lys Val Gln Val Val Val Thr Val Leu  
85 90 95

Asp Tyr Asp Lys Ile Gly Lys Asn Asp Ala Ile Gly Lys Val Phe Val  
100 105 110

Gly Tyr Asn  
115

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<212> PRT  
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<223> synaptotagmin "A" internal repeat (amino acid positions 134-254)

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1               5                           10                           15

Leu Asp Tyr Asp Phe Gln Asn Asn Gln Leu Leu Val Gly Ile Ile Gln  
20                                           25                                   30

Ala Ala Glu Leu Pro Ala Leu Asp Met Gly Gly Thr Ser Asp Pro Tyr  
35                                           40                                   45

Val Lys Val Phe Leu Leu Pro Asp Lys Lys Lys Phe Glu Thr Lys  
50                                           55                                   60

D7  
Val His Arg Lys Thr Leu Asn Pro Val Phe Asn Glu Gln Phe Thr Phe  
65                                           70                                   75                                   80

Lys Val Pro Tyr Ser Glu Leu Gly Gly Lys Thr Leu Val Met Ala Val  
85                                           90                                   95

Tyr Asp Phe Asp Arg Phe Ser Lys His Asp Ile Ile Gly Glu Phe Lys  
100                                           105                                   110

Val Pro Met Asn Thr Val Asp Phe  
115                                           120

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<213> Homo sapiens

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<223> Repro=PC-1.0 (PC-20) "A" internal repeat amino

acid positions 150-263)

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1				5				10						15	

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				20				25					30		

Ala	Met	Asp	Glu	Gln	Ser	Met	Thr	Ser	Asp	Pro	Tyr	Ile	Lys	Met	Thr
					35		40					45			

Ile	Leu	Pro	Glu	Lys	Lys	His	Lys	Val	Lys	Thr	Arg	Val	Leu	Arg	Lys
					50		55			60					

Thr	Leu	Asp	Pro	Ala	Phe	Asp	Glu	Thr	Phe	Thr	Phe	Tyr	Gly	Ile	Pro
					65		70			75			80		

Tyr	Thr	Gln	Ile	Gln	Glu	Leu	Ala	Leu	His	Phe	Thr	Ile	Leu	Ser	Phe
					85			90				95			

Asp	Arg	Phe	Ser	Arg	Asp	Asp	Ile	Ile	Gly	Glu	Val	Leu	Ile	Pro	Leu
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Ser

D) >  
1 <210> 11

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> residue 1=Thr, Ser or Met

<220>

<223> residue 2=Asp, Glu, Ala, Ser or Thr

<400> 11

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Tyr

1

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<210> 12

<211> 10

<212> PRT

01 Sequence Listing for 107-206-C-D.txt

<213> Homo sapiens

<220>

<223> residue 1=Thr, Ser or Met

<220>

<223> residue 2=Asp, Glu, Ala, Ser or Thr

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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Tyr

1

5

10

<210> 13

<211> 7

<212> PRT

<213> Homo sapiens

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<400> 13

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Tyr

1

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D  
<210> 14

<211> 8

<212> PRT

<213> Homo sapiens

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<223> residue 1=Glu or Asp

<400> 14

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Tyr

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5

<210> 15

<211> 9

<212> PRT

<213> Homo sapiens

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<223> residue 2=Leu, Met, Ile, Val, Ser, Ala, Thr, Phe,  
Cys, Gly, Asp or Glu

01 Sequence Listing for 107-206-C-D.txt

<220>  
<223> residue 9=Lys, Arg or Tyr

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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 16  
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<220>  
<223> residue 2= Leu, Met, Ile, Val, Ser, Ala, Thr, Phe,  
Cys, Gly, Asp or Glu

<220>  
<223> residue 10=Lys, Arg or Tyr

<400> 16  
Xaa  
1 5 10

D7  
<210> 17  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<223> residue 2=Thr or Val

<400> 17  
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Lys  
1 5

<210> 18  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<223> residue 2=Thr or Val

01 Sequence Listing for 107-206-C-D.txt

<400> 18  
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Lys  
1 5 10

<210> 19  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<223> residue 2=Tyr, Phe or Trp

<220>  
<223> residue 9=Phe, Ile, Trp, Met or Leu

<400> 19  
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 20  
<211> 10  
<212> PRT  
<213> Homo sapiens

D7  
J<220>  
<223> residue 2=Tyr, Phe or Trp

<400> 20  
Xaa  
1 5 10

<210> 21  
<211> 31  
<212> PRT  
<213> Homo sapiens

<400> 21  
Glu Glu Phe Asp Glu Ile Pro Thr Val Val Gly Ile Phe Ser Ala Phe  
1 5 10 15  
Gly Leu Val Phe Thr Val Ser Leu Phe Ala Trp Ile Cys Cys Gln  
20 25 30

01 Sequence Listing for 107-206-C-D.txt

<210> 22  
<211> 34  
<212> PRT  
<213> Homo sapiens

<400> 22  
Ser Ser Lys Ser Asn Lys Thr Pro Pro Tyr Lys Phe Val His Val Leu  
1 5 10 15  
  
Lys Gly Val Asp Ile Tyr Pro Glu Asn Leu Asn Ser Lys Lys Lys Phe  
20 25 30  
  
Gly Ala

<210> 23  
<211> 25  
<212> PRT  
<213> Homo sapiens

<400> 23  
Ser Pro Ser Asp Leu Glu Asn Ala Thr Pro Lys Leu Phe Leu Glu Gly  
1 5 10 15  
  
Glu Lys Glu Ser Val Ser Pro Glu Ser  
20 25

DJ  
<210> 24  
<211> 60  
<212> PRT  
<213> Homo sapiens

<400> 24  
Leu Pro Glu Lys Lys His Lys Val Lys Thr Arg Val Leu Arg Lys Thr  
1 5 10 15  
  
Leu Asp Pro Ala Phe Asp Glu Thr Phe Thr Phe Tyr Gly Ile Pro Tyr  
20 25 30  
  
Thr Gln Ile Gln Glu Leu Ala Leu His Phe Thr Ile Leu Ser Phe Asp  
35 40 45  
  
Arg Phe Ser Arg Asp Asp Ile Ile Gly Glu Val Leu  
50 55 60

01 Sequence Listing for 107-206-C-D.txt

<210> 25

<211> 46

<212> PRT

<213> Homo sapiens

<400> 25

Ile Pro Leu Ser Gly Ile Glu Leu Ser Glu Gly Lys Met Leu Met Asn  
1 5 10 15

Arg Glu Ile Ile Lys Arg Asn Val Arg Lys Ser Ser Gly Arg Gly Glu  
20 25 30

Leu Leu Ile Ser Leu Cys Tyr Gln Ser Thr Thr Asn Thr Leu  
35 40 45

<210> 26

<211> 32

<212> PRT

<213> Homo sapiens

<400> 26

Val Leu Asp Ser Glu Arg Gly Ser Arg Asn Glu Val Ile Gly Gln Leu  
1 5 10 15

Val Leu Gly Ala Ala Ala Glu Gly Thr Gly Gly Glu His Trp Lys Glu  
20 25 30

<210> 27

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<223> residue 5=Val or Ile

<400> 27

Ser Asp Pro Tyr Xaa Lys  
1 5